

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend claims 8 and 11-13 as follows:

Listing of Claims

Claims 1-7 (Canceled)

8. (Currently Amended) An information process apparatus that manages data recorded on a disc-shaped record [[disc]] medium, comprising:

information obtainment means for obtaining reproduction information necessary to reproduce the data when the data are recorded on the disc-shaped record medium, said data being low resolution video data and video and audio data for each clip;

generation means for generating a plurality of clip management files with which data that compose each clip that is a predetermined structural unit of data are managed, each clip management file describing for one clip (1) the obtained reproduction information of data that compose the clip and (2) an identifier that uniquely identifies data that compose the clip;

registration means for updating management information for all clips, composed of (a) the obtained reproduction information of data that compose each clip, (b) the unique identifier of data that compose each clip, and (c) information that represents a recorded position of data that compose each clip, to an index management file with which all clips and edit lists recorded on the disc-shaped record [[disc]] medium are totally managed; and

successive reproduction means for successively reproducing data that compose all the clips recorded on the disc-shaped record [[disc]] medium in an order of recordation according to the clip management files or the index management file,

wherein when the disc-shaped record [[disc]] medium is loaded into the information process apparatus, the index management file is read from the disc-shaped record [[disc]] medium and stored to a memory and thereafter when a clip recorded on the disc-shaped record medium to be reproduced is designated to be reproduced by a reproduction command, the corresponding clip management file for the designated clip is read from the disc-shaped record [[disc]] medium and stored to the memory.

9. (Previously Presented) The information process apparatus as set forth in claim 8, wherein the registration means registers the management information of the clip to the last end of the index management file.

10. (Previously Presented) The information process apparatus as set forth in claim 8, further comprising:

reproduction means for reproducing data that compose the clip according to the clip management file or the index management file.

11. (Currently Amended) An information process method of managing data recorded on a disc-shaped record [[disc]] medium, comprising the steps of:

obtaining reproduction information necessary to reproduce the data when the data are recorded on the disc-shaped record medium, said data being low resolution video data and video and audio data for each clip;

generating a plurality of clip management files with which data that compose each clip that is a predetermined structural unit of data are managed, each clip management file describing

for one clip (1) the obtained reproduction information of data that compose the clip and (2) an identifier that uniquely identifies data that compose the clip;

 updating management information for all clips, composed of (a) the obtained reproduction information of data that compose each clip, (b) the unique identifier of data that compose each clip, and (c) information that represents a recorded position of data that compose each clip, to an index management file with which all clips and edit lists recorded on the disc-shaped record [[disc]] medium are totally managed; and

 successively reproducing data that compose all the clips recorded on the disc-shaped record [[disc]] medium in an order of recordation according to the clip management files or the index management file,

 wherein when the disc-shaped record [[disc]] medium is loaded into an information process apparatus, the index management file is read from the corresponding disc-shaped record [[disc]] medium and stored to a memory and thereafter when a clip to be reproduced recorded on the disc-shaped record medium is designated to be reproduced by a reproduction command, the corresponding clip management file for the designed clip is read from the disc-shaped record [[disc]] medium and stored to the memory.

12. (Currently Amended) A program record [[disc]] medium on which a computer readable program is recorded, the program causing a computer to perform an information process that manages data recorded on a disc-shaped record [[disc]] medium, the program comprising the steps of:

obtaining reproduction information necessary to reproduce the data when the data are recorded on the disc-shaped record medium, said data being low resolution video data and video and audio data for each clip;

generating a plurality of clip management files with which data that compose each clip that is a predetermined structural unit of data are managed, each clip management file describing for one clip (1) the obtained reproduction information of data that compose the clip and (2) an identifier that uniquely identifies data that compose the clip;

updating management information for all clips composed of (a) the obtained reproduction information of data that compose each clip, (b) the unique identifier of data that compose each clip, and (c) information that represents a recorded position of data that compose each clip, to an index management file with which all clips and edit lists recorded on the disc-shaped record [[disc]] medium are totally managed; and

successively reproducing data that compose all the clips recorded on the disc-shaped record [[disc]] medium in an order of recordation according to the clip management files or the index management file,

wherein when the disc-shaped record [[disc]] medium is loaded into an information process apparatus, the index management file is read from the disc-shaped record [[disc]] medium and stored to a memory and thereafter when a clip to be reproduced recorded on the disc-shaped record medium is designated to be reproduced by a reproduction command, the corresponding clip management file for the designated clip is read from the disc-shaped record [[disc]] medium and stored to the memory.

13. (Currently Amended) A computer implemented program that causes a computer to perform an information process that manages data recorded on a disc-shaped record [[disc]] medium, the program comprising the steps of:

obtaining reproduction information necessary to reproduce the data when the data are recorded on the disc-shaped record medium, said data being low resolution video data and audio and video data for each clip;

generating a plurality of clip management [[file]] files with which data that compose each clip that is a predetermined structural unit of data are managed, each clip management file describing for one clip (1) the obtained reproduction information of data that compose the clip and (2) an identifier that uniquely identifies data that compose the clip;

updating management information for all clips, composed of (a) the obtained reproduction information of data that compose each clip, (b) the unique identifier of data that compose each clip, and (c) information that represents a recorded position of data that compose each clip, to an index management file with which all clips and edit lists recorded on the disc-shaped record [[disc]] medium are totally managed; and

successively reproducing data that compose all the clips recorded on the disc-shaped record [[disc]] medium in an order of recordation according to the clip management files or the index management file,

wherein when the disc-shaped record [[disc]] medium is loaded into an information process apparatus, the index management file is read from the disc-shaped record [[disc]] medium and stored to a memory and thereafter when a clip to be reproduced recorded on the disc-shaped record medium is designated to be reproduced by a reproduction command, the

corresponding clip management file for the designated clip is read from the disc-shaped record
[[disc]] medium and stored to the memory.